

Surge Protection Solutions

Strikesorb® 30 Module Series

Strikesorb 30-V1 • Strikesorb 30-A • Strikesorb 30-B • Strikesorb 30-C
 Strikesorb 30-D • Strikesorb 30-V1-M • Strikesorb 30-A-M • Strikesorb 30-B-M
 Strikesorb 30-C-M • Strikesorb 30-D-M

The unique patented design of the Strikesorb® provides uninterrupted protection from damaging overvoltages. Strikesorb's maintenance free design absorbs and dissipates the excess energy of successive surges without performance deterioration, successfully preventing electrical surges from damaging mission-critical equipment in telecommunications, power generation, defense, transportation and other industrial applications.

Strikesorb®



Strikesorb incorporates a single, heavy duty, distribution grade Metal Oxide Varistor (MOV) disk, assembled under pressure in an environmentally sealed aluminum casing. This unique design provides very low internal contact resistance, excellent thermal management of the MOV and uniform distribution of the surge current over the total area of the protection element, thus resulting in an extremely high energy handling capability combined with very low let through voltages. Strikesorb's patented design minimizes the effects of ageing and completely eliminates the risk of catastrophic failure, explosion of fire, which are common in conventional surge protection devices.

The Strikesorb design incorporates state of the art MOV technology developments providing superior protection characteristics, which remain unchanged throughout its long service life. The module has been designed to withstand repeated surges providing a cost-effective and maintenance free operation in harsh environments.

Strikesorb is rated for safe operation without the use of internal fuses. This unique feature combined with its capability to be directly connected to the power lines or bus bars (in-line connection), makes it the most reliable surge protection device known and insures that critical electronic equipment will remain protected at all times.

SPECIFICATIONS

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Strikesorb® 30 Module Series

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Electrical

Strikesorb 30 Imperial Models*	Strikesorb 30-V1	Strikesorb 30-A	Strikesorb 30-B	Strikesorb 30-C	Strikesorb 30-D
Strikesorb 30 Metric Models**	Strikesorb 30-V1-M	Strikesorb 30-A-M	Strikesorb 30-B-M	Strikesorb 30-C-M	Strikesorb 30-D-M
Surge Protective Device (SPD) Type per UL 1449 3rd Edition	Type 2 Component Assembly	Type 2 Component Assembly	Type 2 Component Assembly	Type 2 Component Assembly	Type 2 Component Assembly
Surge Protective Device (SPD) Class per IEC 61643-1	Class II	Class II	Class II	Class II	Class II
Nominal Operating AC Voltage [U _n]	60V	120V	240V	277V	400V
Maximum Continuous Operating AC Voltage [U _c]	75V	150V	275V	350V	480V
Response Time [t _A]	<1 ns	<1 ns	<1 ns	<1 ns	<1 ns
Nominal Discharge Current [I _n] per UL 1449 3rd Edition and IEC 61643-1	20 kA 8/20 μs	20 kA 8/20 μs	20 kA 8/20 μs	20 kA 8/20 μs	20 kA 8/20 μs
Maximum Surge Current Capacity [I _{max}] per NEMA LS-1	60 kA 8/20 μs	60 kA 8/20 μs	60 kA 8/20 μs	60 kA 8/20 μs	60 kA 8/20 μs
Maximum Discharge Current [I _{max}] per IEC 61643-1	40 kA 8/20 μs	50 kA 8/20 μs	50 kA 8/20 μs	50 kA 8/20 μs	50 kA 8/20 μs
Voltage Protection Rating (VPR) UL per UL 1449 3rd Edition	400V	700V	1200V	1500V	1800V
Voltage Protection Level [U _p] per IEC 61643-1	410V	700V	1200V	1600V	2200V
Voltage Protection Level at 10kA (8/20 μs)	330V	585V	1070V	1395V	1825V
Operating Frequency Range	0...500Hz	0...500Hz	0...500Hz	0...500Hz	0...500Hz

Mechanical

Environmental Ingress Protection (IP) Rating	IP65	IP65	IP65	IP65	IP65
Operating Temperature (°C)	-40° C to +100° C	-40° C to +100° C	-40° C to +100° C	-40° C to +100° C	-40° C to +100° C
Dimensions	Diameter	1.69" [43.0 mm]	1.69" [43.0 mm]	1.69" [43.0 mm]	1.69" [43.0 mm]
	Height	1.98" [50.3 mm]	1.98" [50.3 mm]	1.98" [50.3 mm]	2.09" [53.2 mm]
Weight	5.64 oz [160 g]	5.64 oz [160 g]	5.64 oz [160 g]	5.64 oz [160 g]	6.00 oz [170 g]

Standards Compliance & Certifications

Standards	UL 1449 3rd Ed: 2011, IEC 61643-1 2nd Ed: 2005, IEC 61643-12 2nd Ed: 2008, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, EN 61643-11 + A11:2007, NEMA LS-1
Certifications	UL, VDE, CE

*Strikesorb Imperial Model Thread: 5/16"--18 Whitworth
 **Strikesorb Metric Model Thread: M8



Raycap

www.raycapsurgeprotection.com